



Warehouse Development 2131 Castlereagh Road PENRITH, NSW

DRAWING NO.	DRAWING TITLE	ISSUE
LA.CD.01	COVER SHEET	03
LA.CD.02	LANDSCAPE MASTERPLAN - SHEET 01	03
LA.CD.03	LANDSCAPE MASTERPLAN - SHEET 02	03
LA.CD.04	DETAIL LANDSCAPE PLAN - SHEET 01	03
LA.CD.05	DETAIL LANDSCAPE PLAN - SHEET 02	03
LA.CD.06	DETAIL LANDSCAPE PLAN - SHEET 03	03
LA.CD.07	CARPARK LANDSCAPE PLAN 01	02
LA.CD.08	CARPARK LANDSCAPE PLAN 02	02
LA.CD.09	LEGEND / NOTES / PLANT SCHEDULE	02
LA.CD.10	TREE ASSESSMENT / LANDSCAPE AREA / DESIGN RATIONALE	02

PHOTOMONTAGE
Scale NTS @ A1

REV:	DATE:	DOCUMENT STATUS/ AMENDMENTS
01	05.02.21	PRELIMINARY
02	22.02.21	DRAFT DA
03	30.03.21	DA ISSUE

REFER TO LALPO9 FOR NOTES AND PLANT SCHEDULE

1:1000 @ A1



black beetle
Landscape Architecture and Design

Black Beetle pty ltd Level 1, 1073 Pittwater Road, Collaroy NSW 2097 Tel: 0422 104 416 email: blackbeetle@blackbeetle.com.au PROJECT

Warehouse Development
2131 Castlereagh Road
PENRITH, NSW

PENRITH, NSW

PROJECT

Drawn IK / GB

L.Architect Authorised
IK / GB

Status
Development Application

1:1000 @ A1

D R A W I N G T I T L E

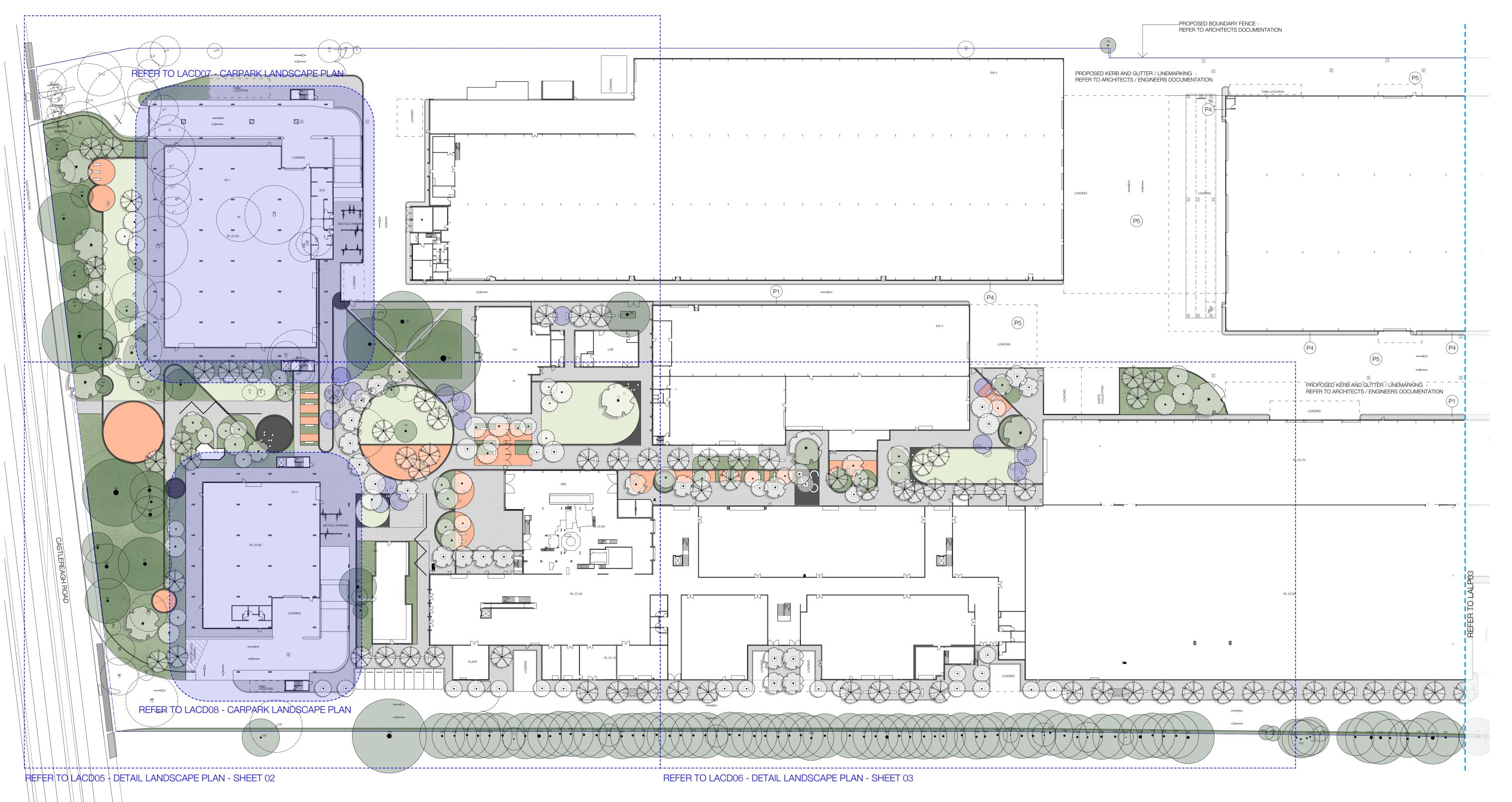
Landscape Plan - Cover Sheet

Do Not scale off this drawing- use figured dimensions only - verify all dimensions on site - resolve discrement between the black beetle before proceeding. Copyright of this drawing and the designs executed remain vested Drawing Number / Issue

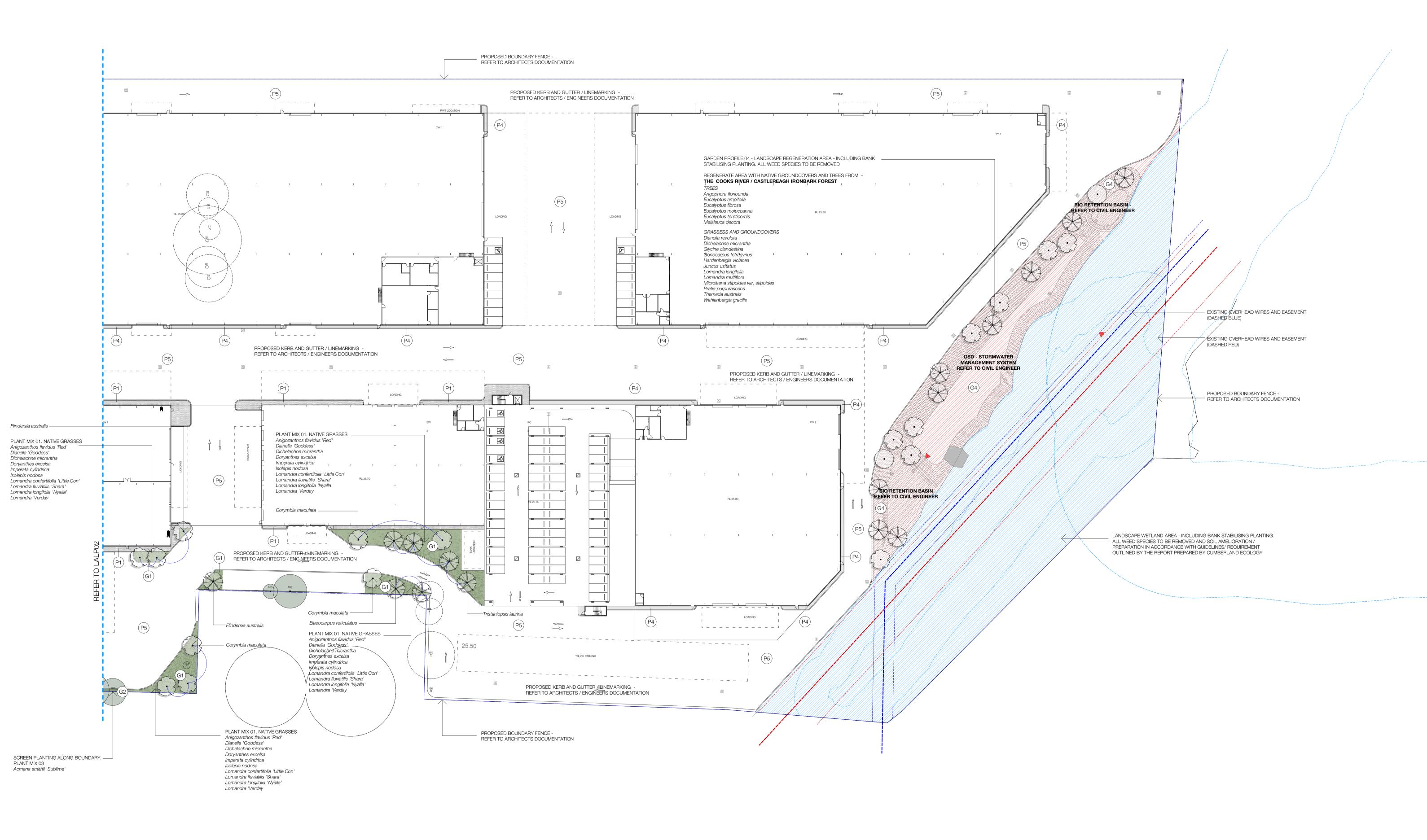
BB 1283

LA LP 01/ 03

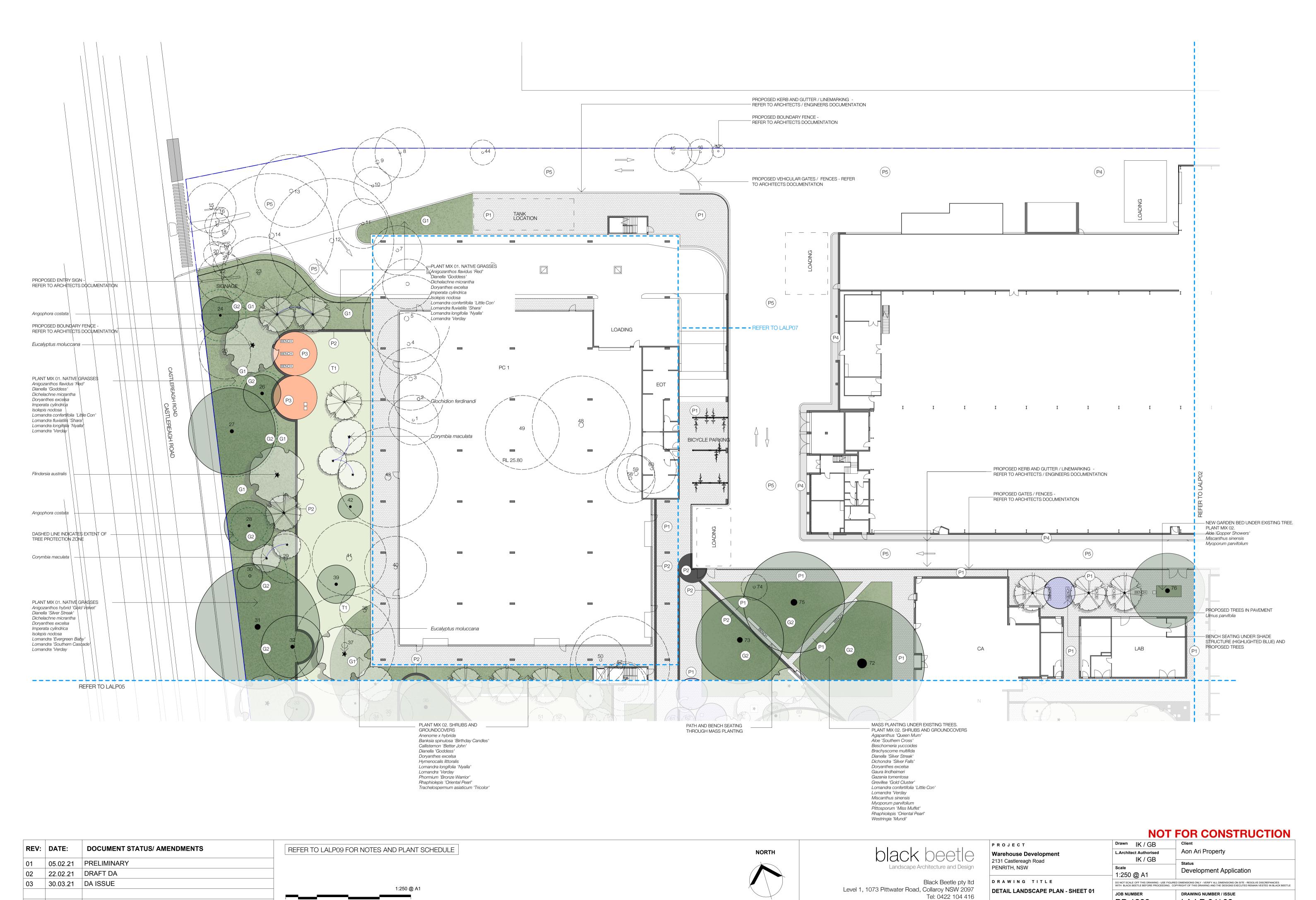
REFER TO LACD04 - DETAIL LANDSCAPE PLAN - SHEET 01



						NOT	FOR CONSTRUCTION
REV:	DATE: DOCUMENT STATUS/ AMENDMENTS	REFER TO LALP09 FOR NOTES AND PLANT SCHEDULE	NORTH	lack beetle	PROJECT Warehouse Development	Drawn IK / GB L.Architect Authorised	Aon Ari Property
01	05.02.21 PRELIMINARY			Landscape Architecture and Design	2131 Castlereagh Road PENRITH, NSW	IK / GB	Status Status
02	22.02.21 DRAFT DA					— 1:500 @ A1	Development Application
03	30.03.21 DA ISSUE	1:500 @ A1		Black Beetle pty ltd	DRAWING TITLE	DO NOT SCALE OFF THIS DRAWING - USE FI WITH BLACK BEETLE BEFORE PROCEEDING	FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES IG. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE
		1.500 @ AT	Level 1, 1073 Pil	twater Road, Collaroy NSW 2097 Tel: 0422 104 416	LANDSCAPE MASTERPLAN - SHEET 01	JOB NUMBER	DRAWING NUMBER / ISSUE
		0 5 10 20 30 40m	email:	blackbeetle@blackbeetle.com.au		BB 1283	LA LP 02/ 03



NOT FOR CONSTRUCTION Drawn IK / GB PROJECT REV: DATE: **DOCUMENT STATUS/ AMENDMENTS** REFER TO LALP09 FOR NOTES AND PLANT SCHEDULE Aon Ari Property NORTH L.Architect Authorised **Warehouse Development** IK / GB 2131 Castlereagh Road 05.02.21 PRELIMINARY Landscape Architecture and Design PENRITH, NSW Development Application 22.02.21 DRAFT DA 1:500 @ A1 Black Beetle pty Itd DRAWING TITLE 30.03.21 DA ISSUE DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH BLACK BEETLE BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE 1:500 @ A1 Level 1, 1073 Pittwater Road, Collaroy NSW 2097 LANDSCAPE MASTERPLAN - SHEET 02 DRAWING NUMBER / ISSUE JOB NUMBER Tel: 0422 104 416 BB 1283 LA LP 03/03 0 5 10 20 email: blackbeetle@blackbeetle.com.au 30

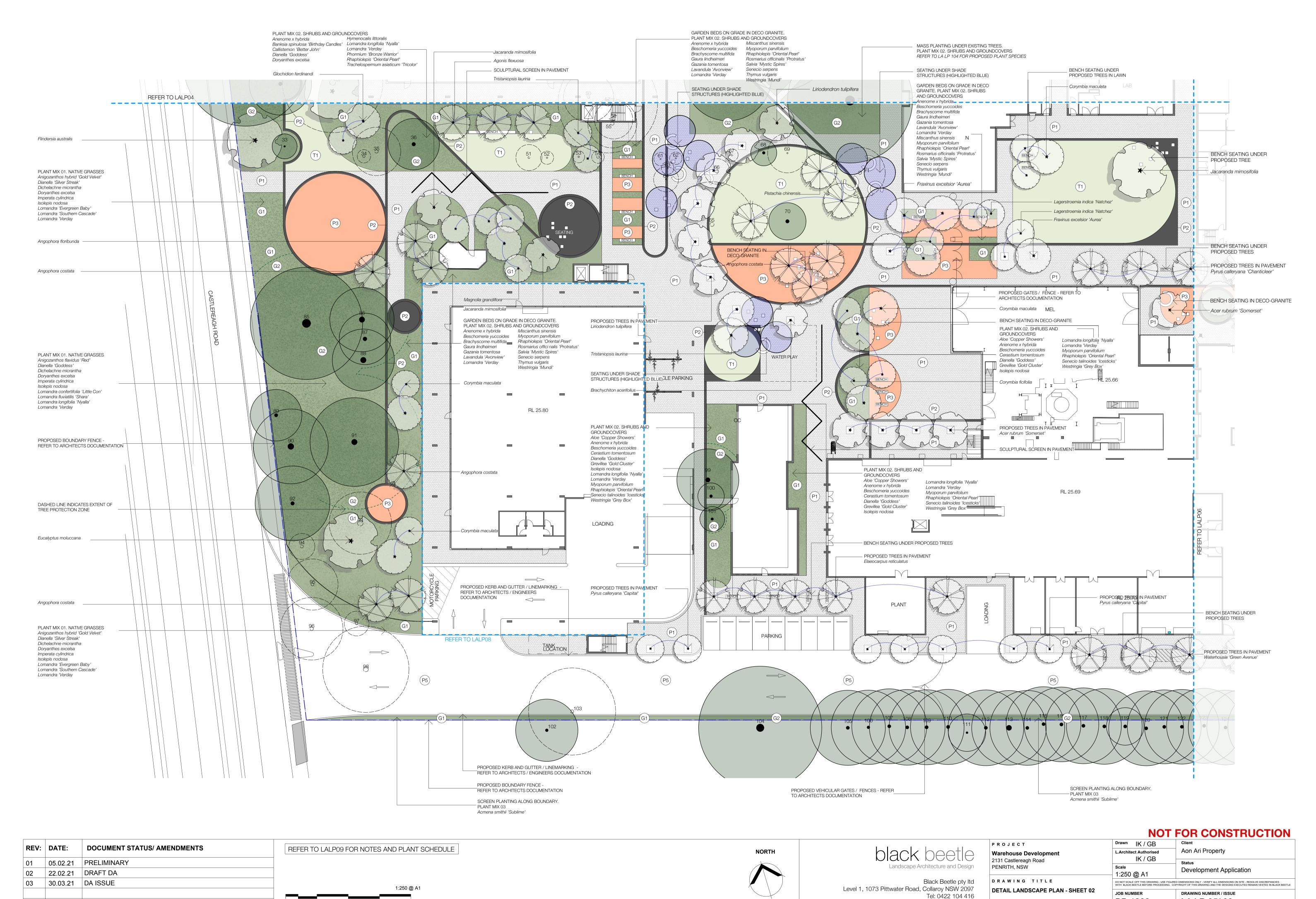


BB 1283

email: blackbeetle@blackbeetle.com.au

LA LP 04/ 03

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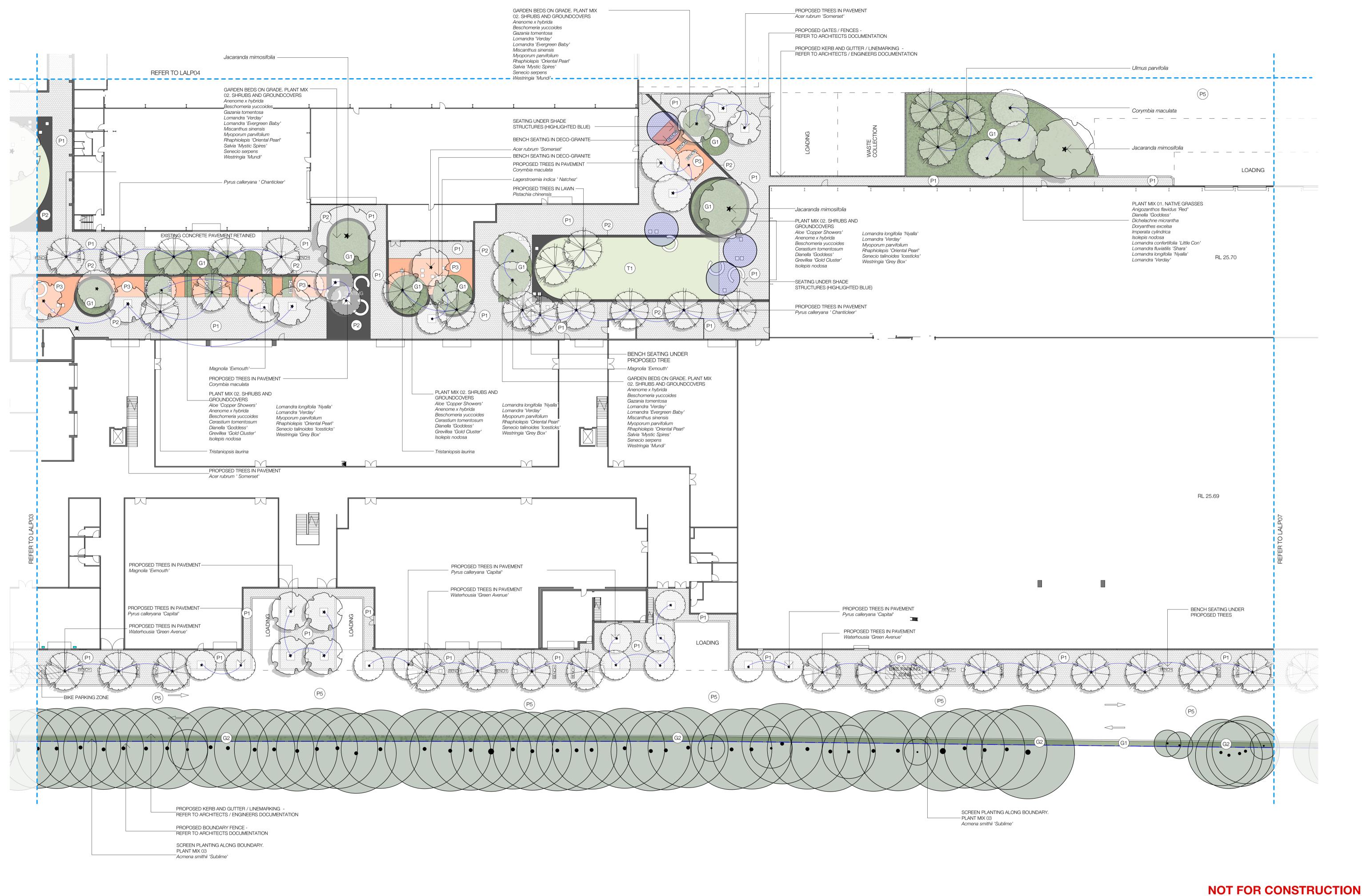
BB 1283

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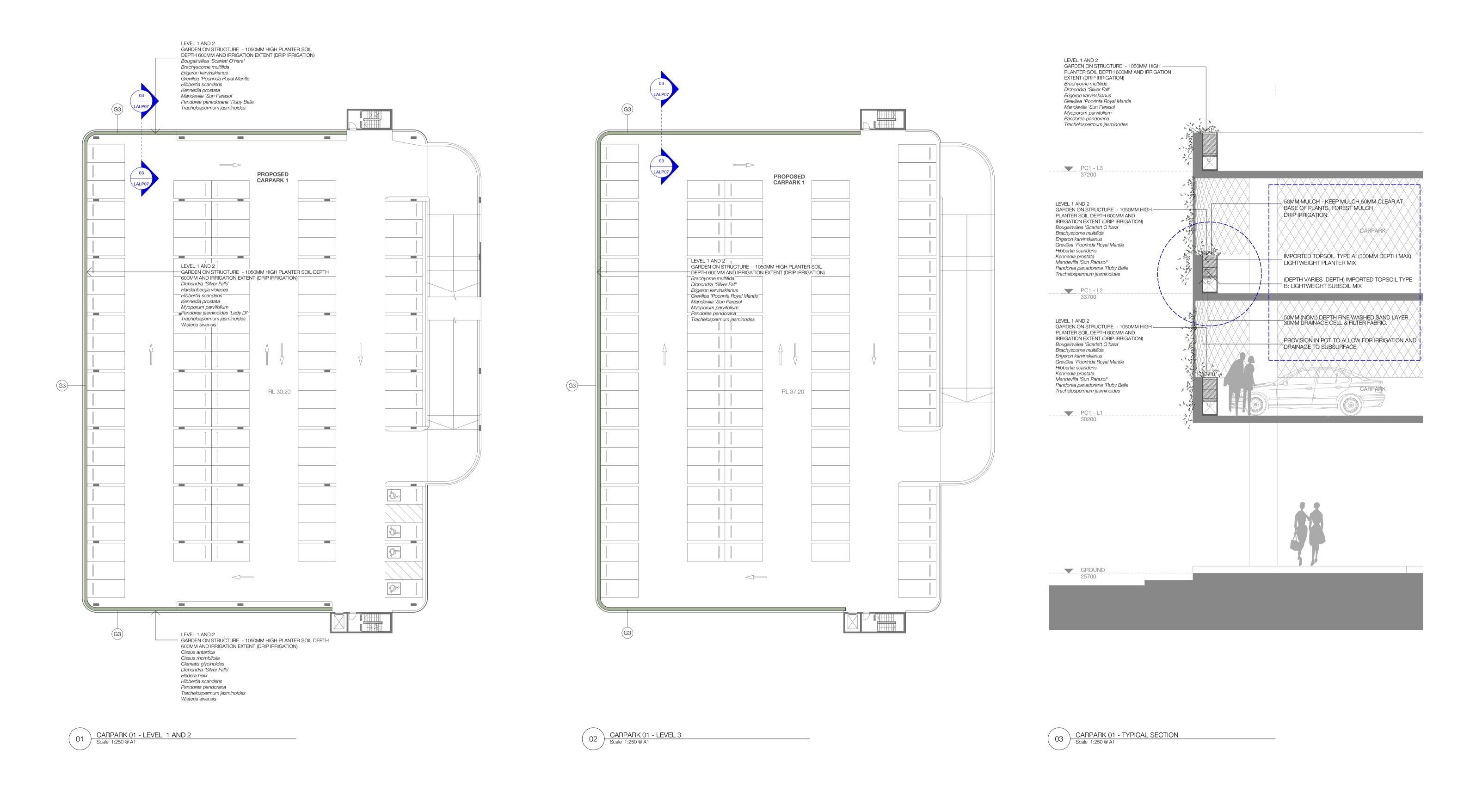
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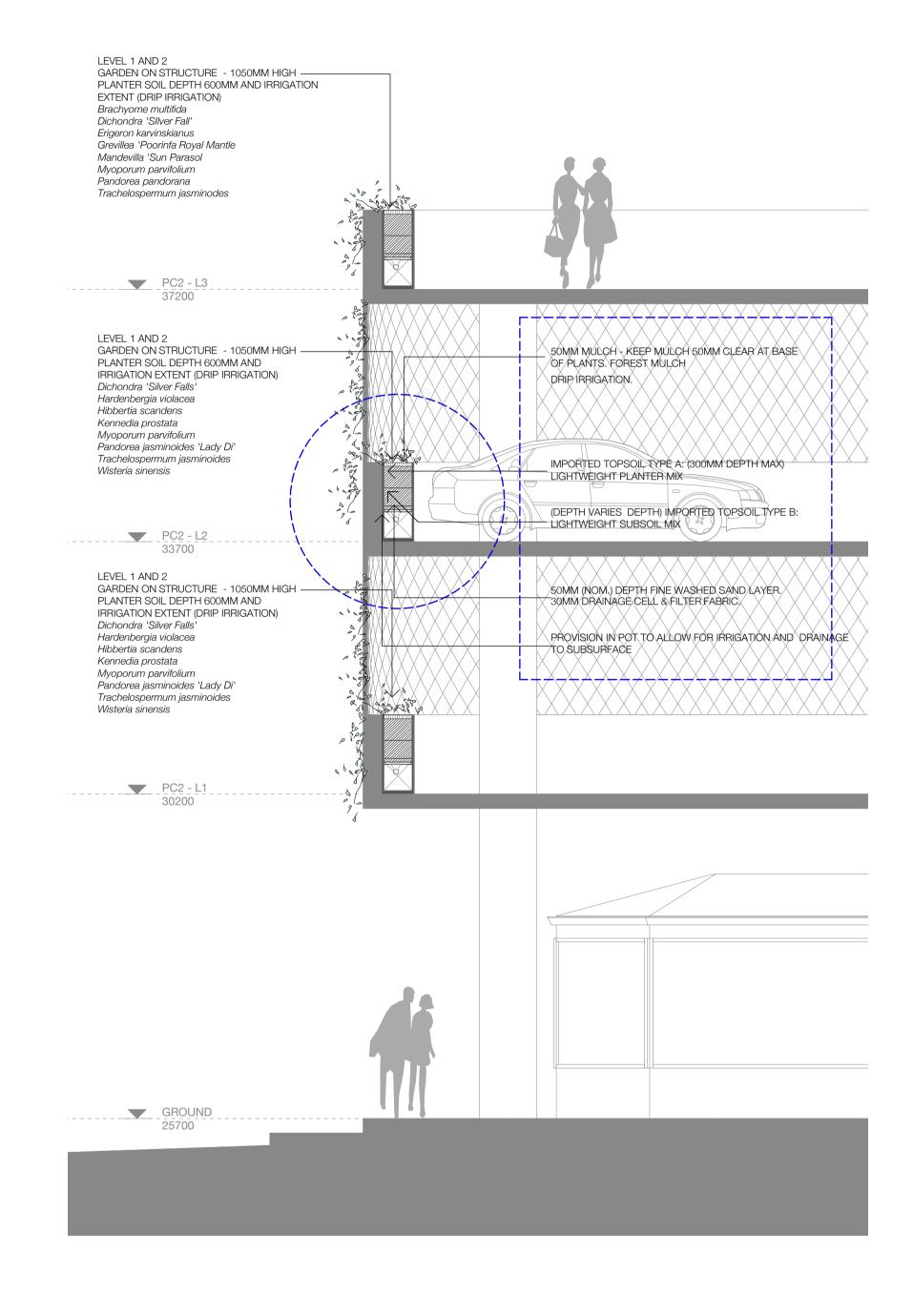


REV	: DATE:	DOCUMENT STATUS/ AMENDMENTS	REFER TO LALP09 FOR NOTES AND PLANT SCHEDULE			PROJECT	Drawn IK / GB	Client
- 1 - 1			TIETER TO EACH 03 FOR THOTEO AIND FEARIT GOLIEDOLE	NORTH	hlack heetle	Warehouse Development	L.Architect Authorised	Aon Ari Property
01	05.02.21	PRELIMINARY			DIAGNACOLIC	2131 Castlereagh Road	IK / GB	Status
01	05.02.21				Landscape Architecture and Design	PENRITH, NSW	Scale	
02	22.02.21	DRAFT DA					— 1:250 @ A1	Development Application
0.3	30 03 21	DA ISSUE			Black Beetle pty Itd	DRAWING TITLE	DO NOT SCALE OFF THIS DRAWING - USE FIG	URED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES
00	00.00.21	57(1000)	1:250 @ A1		Level 1, 1073 Pittwater Road, Collaroy NSW 2097	DETAIL LANDSCAPE PLAN - SHEET 04	WITH BLACK BEETLE BEFORE PROCEEDING	COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE
					Tel: 0422 104 416	DETAIL LANDOON ET LAN - SHEET 04	JOB NUMBER	DRAWING NUMBER / ISSUE
			0 2 5 10 15 20m		email: blackbeetle@blackbeetle.com.au		BB 1283	LA LP 05/ 03



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REV: DATE: DOCUMENT STATUS/ AMENDMENTS	REFER TO LALP09 FOR NOTES AND PLANT SCHEDULE	NORTH	black beetle	PROJECT Warehouse Development	Drawn K / GB	Aon Ari Property
01 22.02.21 DRAFT DA 02 30.03.21 DA ISSUE			Landscape Architecture and Design	2131 Castlereagh Road PENRITH, NSW	Scale as shown @ A1	Status Development Application
	1:250 @ A1		Black Beetle pty ltd Level 1, 1073 Pittwater Road, Collaroy NSW 2097	DRAWING TITLE CARPARK LANDSCAPE PLAN - 01	DO NOT SCALE OFF THIS DRAWING - USE WITH BLACK BEETLE BEFORE PROCEED	FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES INING. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXECUTED REMAIN VESTED IN BLACK BEETLE
	0 2 5 10 15 20m		Tel: 0422 104 416 email: blackbeetle@blackbeetle.com.au		JOB NUMBER BB 1283	LA LP 07/ 02





NOT FOR CONSTRUCTION

O3 CARPARK 02 - TYPICAL SECTION
Scale 1:250 @ A1

REV: DATE: DOCUMENT STATUS/ AMENDMENTS	REFER TO LALP09 FOR NOTES AND PLANT SCHEDULE	NORTH	hlack hootlo	PROJECT Warehouse Development	Drawn IK / GB L.Architect Authorised	Aon Ari Property
01 22.02.21 DRAFT DA			Landscape Architecture and Design	2131 Castlereagh Road PENRITH, NSW	IK / GB	Status Development Application
02 30.03.21 DA ISSUE			Black Beetle pty Itd	DRAWING TITLE	1:250 @ A1 DO NOT SCALE OFF THIS DRAWING - USE FI	GURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES
	1:250 @ A1		Level 1, 1073 Pittwater Road, Collaroy NSW 2097 Tel: 0422 104 416	CARPARK LANDSCAPE PLAN - 02	JOB NUMBER	DRAWING NUMBER / ISSUE
	0 2 5 10 15 20m		email: blackbeetle@blackbeetle.com.au		BB 1283	LA LP 08/ 02

BOTANICAL NAME	COMMON NAME	APPROX. MATURE HEIGHT	POT SIZE	NATIVE (N) / INDIGENOUS(I)	QTY
TREES Acer rubrum 'Somerset'	Red Maple	9M	400L	_	as indicated
Angophora costata	Smooth Barked Apple	15M	200L	N	as indicated
Angophora floribunda Agonis flexuosa	Rough Barked Apple Willow Myrtle	20M 15M	200L 200L	N/I N	as indicated as indicated
Brachychiton acerifolius	Illawarra Flame Tree	20M	200L	N	as indicated
Corymbia ficifolia Corymbia maculata	Flowering Gum Spotted Gum	15M 20M	200L 400L	N N	as indicated as indicated
Elaeocarpus reticulataus	Blueberry Ash	8M	200L	N	as indicated
Eucalyptus ampifolia Eucalyptus fibrosa	Cabbage Gum Red Iron BArk	30M 35M	100L 100L	N/I N/I	as indicated as indicated
Eucalyptus moluccana	Grey Box	25M	100L	N/I	as indicated
Eucalyptus tereticornis Flindersia australis	Forest Red Gum Australian Teak	35M 20M	100L 100L	N/I N	as indicated as indicated
Fraxinus excelsior 'Aurea'	Golden Ash	7M	200L	-	as indicated
Glochidion fernandi Jacaranda mimosifolia	Cheese Tree Jacaranda	15M 15M	200L 400L	N -	as indicated as indicated
Lagerstroemia indica 'Natchez'	Natchez Crepe Myrtle	6M	200L	-	as indicated
Liriodendron tulipifera Magnolia grandiflora 'Exmouth'	Tulip Tree Exmouth Magnolia	20M 10M	400L 200L	-	as indicated as indicated
Melaleuca decora	Feather Honeymyrtle	6M	100L	N/I	as indicated as indicated
Pistachia chinensis	Chinese Pistachio	8M	400L	-	as indicated
Pyrus calleryana 'Capital' Pyrus calleryana 'Chanticleer'	Capital Ornamental Pear Chanticleer Ornamental Pear	11M 11M	200L 200L	-	as indicated as indicated
Tristaniopsis laurina	Water Gum	8M	200L	N	as indicated
Ulmus parvifolia Waterhousia 'Green Avenue'	Chinese Elm Green Ave	12M 12M	200L 200L	-	as indicated as indicated
PLANT MIX 01 - GRASSES Anigozanthos flavidus 'Red'	Red Kangaroo Paw	0.7M	200mm	N	4/sq.m
Anigozanthos hybrid 'Gold Velvet'	Gold Velvet Kangaroo Paw	0.7M	200mm	N	4/sq.m
Dianella 'Goddess' Dianella 'Silver Streak'	Goddess Native Flax Silver Streak Native Flax	0.6M 0.5M	140mm 140mm	N N	5/sq.m 5/sq.m
Dichelachne micrantha	Shorthair Plumegrass	1M	140mm	N/I	5/sq.m
Doryanthes excelsa	Gymea Lily	2M	200mm	N	4/sq.m
Imperata cylindrica Isolepis nodosa	Blady Grass Knobby Club Rush	1M 0.8M	140mm 140mm	N N	5/sq.m 5/sq.m
Lomandra confertifolia 'Little Con'	Little Con Mat Rush	0.4M	140mm	N	5/sq.m
Lomandra 'Evergreen Baby' Lomandra fluviatilis 'Shara'	Evergreen Baby Mat Rush Shara Mat Rush	0.6M 0.7M	<u>140mm</u> 140mm	N N	5/sq.m 5/sq.m
Lomandra longifolia 'Nyalla'	Nyalla Mat Rush	0.7M	140mm	N	5/sq.m
Lomandra 'Southern Cascade' Lomandra 'Verday	Southern Cascade Mat Rush Verday Mat Rush	0.8M 0.6M	140mm 140mm	N N	5/sq.m 5/sq.m
Lomandra Verday	Verday Mat Hush	O.OIVI	14011111	IV	0/34.111
PLANT MIX 02 - SHRUBS Agapanthus 'Queen Mum'	Queen Mum Agapanthus	1M	200mm	_	4/sq.m
Aloe 'Copper Showers'	Copper Showers Aloe	0.8M	200mm	-	4/sq.m
Aloe 'Southern Cross'	Southern Cross Aloe	0.8M	200mm	-	4/sq.m
Anenome x hybrida Banksia spinulosa 'Birthday Candles'	Japanese Wind Flower Banksia Birthday Candles	0.8M 0.6M	140mm 200mm	- N	5/sq.m 4/sq.m
Beschorneria yuccoides	Mexican Lily	0.8M	200mm	-	4/sq.m
Brachyscome multifida Callistemon 'Better John'	Cut Leaf Daisy Better John	0.3M 1M	140mm 200mm	N N	6/sq.m 4/sq.m
Cerastium tomentosum	Snow in Summer	0.3M	140mm	-	6/sq.m
Dianella 'Goddess' Dianella 'Silver Streak'	Goddess Native Flax Silver Streak Native Flax	0.6M 0.5M	140mm 140mm	N N	5/sq.m 5/sq.m
Dichondra 'Silver Falls'	Silver Falls Kidney Weed	8M	140mm	-	6/sq.m
Doryanthes excelsa	Gymea Lily Seaside Daisy	2M 0.3M	200mm	N -	4/sq.m
Erigeron karvinskianus Gaura lindheimeri	Butterfly Bush	0.8M	140mm 140mm	-	5/sq.m 5/sq.m
Gazania tomentosa	Silver Gazania	0.2M	140mm	-	6/sq.m
Grevillea 'Gold Cluster' Hemerocallis 'Stella Bella'	Gold Cluster Grevillea Stella Bella Day Lily	1M 0.6M	200mm 140mm	N -	4/sq.m 5/sq.m
Hymenocalis littoralis	Spider Lily	0.8M	140mm	N	5/sq.m
Imperata cylindrica Isolepis nodosa	Blady Grass Knobby Club Rush	1M 0.8M	<u>140mm</u> 140mm	N N	5/sq.m 5/sq.m
Lampranthus aurantiacus 'Pink'	Pink Ice Plant	0.2M	140mm	-	6/sq.m
Lavandula 'Avonview' Lomandra confertifolia 'Little Con'	Avonview Lavender Little Con Mat Rush	0.6M 0.4M	200mm 140mm	- N	4/sq.m 5/sq.m
Lomandra 'Evergreen Baby'	Evergreen Baby Mat Rush	0.6M	140mm	N	5/sq.m
Lomandra longifolia 'Nyalla'	Nyalla Mat Rush	0.7M	140mm	N	5/sq.m
Lomandra 'Verday Lomandra 'Southern Cascade'	Verday Mat Rush Southern Cascade Mat Rush	0.6M 0.8M	140mm 140mm	N N	5/sq.m 5/sq.m
Miscanthus sinensis	Japanese Silver Grass	1.5M	140mm	-	5/sq.m
Myoporum parvifolium Phormium 'Bronze Warrior'	Creeping Boobiala Bronze Warrior NZ Flax	0.2M 1.5M	140mm 200mm	N -	6/sq.m 4/sq.m
Pittosporum 'Miss Muffet'	Miss Muffet Pittosporum	0.8M	200mm	-	4/sq.m
Rhaphiolepis 'Oriental Pearl' Rosmarius officinalis 'Protratus'	Oriental Pearl Prostrate Rosemary	1M 0.3M	200mm 200mm	-	4/sq.m 4/sq.m
Salvia 'Mystic Spires'	Mystic Spires Ornamental Sage	0.8M	140mm	-	4/sq.m
Senecio serpens Senecio talinoides 'Icesticks'	Blue Chalk Sticks Icesticks	0.2M 0.4M	200mm 200mm	-	5/sq.m 4/sq.m
Thymus vulgaris	Thyme	0.3M	140mm	-	4/sq.m 5/sq.m
Trachelospermum asiaticum 'Tricolor' Westringia 'Grey Box'	Tricolor Star Jasmine Grey Box Coastal Rosemany	3M 0.5M	200mm	- N	4/sq.m
Westringia 'Grey Box' Westringia 'Mundi'	Grey Box Coastal Rosemary Mundi Coastal Rosemary	0.5M 0.4M	200mm 200mm	N N	4/sq.m 4/sq.m
PLANT MIX 03 - SCREENING					
Acmena smithii 'Sublime'	Sublime Lilly Pilly	3M	300mm	N	2/sq.m
PLANT MIX 04 - CAR PARK					
Bougainvillea 'Scarlett O'hara'	Scarlet O'Hara	8M	200mm	-	2/sq.m
Brachyscome multifida	Cut Leaf Daisy	0.3M	140mm	N	6/sq.m
Cissus antarctica Cissus rhombifolia	Kangaroo Vine Grape Leaf Ivy	8M 8M	200mm 200mm	N N	4/sq.m 4/sq.m
Clematis glycinoides	Headache Vine	3M	200mm	N	4/sq.m
Dichondra 'Silver Falls' Erigeron karvinskianus	Silver Falls Kidney Weed Seaside Daisy	8M 0.3M	140mm 140mm	-	6/sq.m 5/sq.m
Grevillea 'Poorinda Royal Mantle'	Royal Mantle Grevillea	3M	200mm	N	4/sq.m
Hardenbergia violacea Hedera helix	Hardenbergia English Ivy	3M 3M	200mm 200mm	N -	4/sq.m 4/sq.m
Hibbertia Scandens	Snake Vine	3M	200mm	N	4/sq.m
Kennedia prostata Mandevilla 'Sun Parasol'	Running Postman Giant White Mandevilla	3M 3M	200mm 200mm	N -	4/sq.m 4/sq.m
Myoporum parvifolium	Creeping Boobiala	0.2M	140mm	N	6/sq.m
Pandorea jasminoides 'Lady Di'	Lady Di Bower of Beauty	3M	200mm	- N1	4/sq.m
Pandorea pandorana 'Ruby Belle'	Wonga Wonga Vine Ruby Belle Wonga Wonga Vine	3M 3M	200mm 200mm	N N	4/sq.m 4/sq.m
Trachelospermum jasminoides	Star Jasmine	3M	200mm	-	4/sq.m
Wisteria sinensis	Chinese Wisteria	8M	200mm	-	2/sq.m
PLANT MIX 04 - BUSH REGEN					
Dianella revoluta Dichelachne micrantha	Native Flax	0.5M 1M	<u>140mm</u> 140mm	N / I N / I	5/sq.m 5/sq.m
morania	Shorthair Plumedrass	1M	140mm	N/I	5/sq.m
Glycine clandestina	Shorthair Plumegrass Love Creeper				
Gonocarpus tetragynus	Love Creeper Common Raspwort	0.3M	140mm	N/I	5/sq.m
	Love Creeper				
Gonocarpus tetragynus Hardenbergia violacea Juncus usitatus Lomandra longifolia	Love Creeper Common Raspwort Hardenbergia Common Rush Mat Rush	0.3M 3M 1M 1M	140mm 140mm 140mm 140mm	N/I N/I N/I N/I	5/sq.m 5/sq.m 5/sq.m 5/sq.m
Gonocarpus tetragynus Hardenbergia violacea Juncus usitatus	Love Creeper Common Raspwort Hardenbergia Common Rush	0.3M 3M 1M	140mm 140mm 140mm	N/I N/I N/I	5/sq.m 5/sq.m 5/sq.m
Gonocarpus tetragynus Hardenbergia violacea Juncus usitatus Lomandra longifolia Lomandra multiflora	Love Creeper Common Raspwort Hardenbergia Common Rush Mat Rush Many Flowered Mat Rush	0.3M 3M 1M 1M 0.8M	140mm 140mm 140mm 140mm 140mm	N/I N/I N/I N/I N/I	5/sq.m 5/sq.m 5/sq.m 5/sq.m 5/sq.m



GENERAL NOTES / SPECIFICATION

- ON GRADE GARDEN - 300MM

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND ENGINEERING DRAWINGS. NOTE ALL LANDSCAPE HARDWORKS INCLUDING PAVING, STEPS, RETAINING WALLS AND FENCES TO ARCHITECTS DOCUMENTATION

2. ALL PLANTING AREAS TO BE MULCHED, TYPICALLY 50MM DEPTH. ORGANIC MULCH TO CONFORM TO AS 4454-2012 COMPOST, SOIL CONDITIONERS AND MULCHES.

FERTILISER SHALL BE A SLOW RELEASE PELLETISED FORM SUITABLE FOR USE WITH AUSTRALIAN NATIVE PLANTS APPLIED AT THE MANUFACTURES RECOMMENDED RATE.

SOIL WETTING AGENT SHALL BE "AQUASOIL" OR "WETTASOIL" APPLIED AT A RATE OF 1 LITRE/ 1000 LITRES OF WATER OR

3. SOILS TO CONFORM TO AS 4419-2018 SOILS FOR LANDSCAPING AND GARDENS USE. - ON STRUCTURE - MINIMUM 600MM FOR GROUND COVERS AND SHRUBS

GARDEN SOIL SHALL HAVE A PH BETWEEN 5.5 AND 7.0, EC< 1.2DS/M: 2-5CG/MG RATIO, 5-20MEQ % CEC, AND NUTRIENTS TO AS 3743 POTTING MIXES.

ALL PLANTING SOIL SHALL BE FREE OF RUBBISH, DEBRIS AND SUBSTANCES THAT ARE TOXIC TO LIVING ORGANISMS, OR WOULD OTHERWISE BE DECLARED CONTAMINATED. ALL IMPORTED GARDEN SOIL SHALL BE FREE OF WEED SEEDS.

PLANTING SOIL SHALL NOT BE WATER REPELLENT AND IT SHALL TAKE LESS THAN 53 SECONDS FOR A WATER DROPLET TO SOAK INTO DRY SOIL (REFERENCE: HANDRECK & BLACK).

THE CONTRACTOR SHALL ENSURE ANY INSTALLED SUB GRADES ARE NOT TOXIC TO NORMAL PLANT GROWTH OR UNNATURALLY OVERLY COMPACTED. ENSURE EXISTING SUB SOIL IS NOT TOXIC TO PLANT GROWTH, AND NOTIFY SUPERINTENDENT IMMEDIATELY IF THERE ARE ANY CONCERNS WITH REGARD TO THE SUB SOIL CONDITIONS.

ALL PLANTING SOIL TO BE CONSOLIDATED BUT NOT COMPACTED AND HAVE PARTICLE SIZES GREATER THAN THE SUBSOIL. 4. PLANT SUPPLY - THE PLANTS ARE TO BE VIGOROUS AND APPROPRIATELY ACCLIMATISED WITH A ROOTBALL THAT IS FULL BUT NOT RESTRAINED. TREE STOCK ARE TO BE GROWN AND CERTIFIED AS COMPLYING WITH NATSPEC'S "SPECIFYING

TREES - A GUIDE TO ASSESSMENT OF TREE QUALITY", SECOND EDITION 2003 BY ROSS CLARK PLANT INSTALLATION - THE TOPS OF ROOT BALLS ARE TO BE LEVEL WITH OR UP TO 50MM HIGHER THAN THE SURROUNDING SOIL LEVEL. CREATE WATERING "SAUCERS" AROUND ALL PLANTS FROM POTS LARGER THAN 5 LITRE (IE

200MM DIAMETER). DO NOT PILE UP MULCH AGAINST THE BASE OF THE PLANT STEM/TRUNK. STAKING - REMOVE ALL NURSERY STAKES, TIES AND LABELS. THE ROOT BALL AND CANOPY ARE TO BE BALANCED AND THE STEM / TRUNK SUFFICIENTLY DEVELOPED SO THAT THE PLANTS STAY UPRIGHT WITHOUT THE NEED TO BE STAKED. DO NOT

STAKE PLANTS UNLESS SPECIFICALLY NOTED TO DO SO OR UNLESS SPECIAL CIRCUMSTANCES REQUIRE A PLANT TO BE TEMPORARILY STAKED FOR STABILITY.

5. ALL PLANTING AREAS TO HAVE DRIP IRRIGATION SYSTEM WITH BACK UP PROTECTION TO THE MAIN SUPPLY, TO ALL CURRENT SYDNEY WATERS REQUIREMENTS AND RELEVANT AUSTRALIAN STANDARDS

EXTENT - THE SYSTEM IS TO COVER ALL NEW GARDENS. WATER IS TO BE DELIVERED VIA SUBSURFACE DRIP LINES BURIED BELOW THE FINISHED GROUND LEVEL TO GARDENS AND TREES AND VIA POPUP SPRAYS ON FLEXIBLE ARMS TO THE LAWN

CAPACITY - THE SYSTEM IS TO BE CAPABLE OF SUPPLYING 32MM OF WATER/WEEK OVER ALL AREAS. I

SUPPLY - DESIGN, SUPPLY AND INSTALL A PERMANENT AUTOMATED SUB-SURFACE IRRIGATION SYSTEM.

INSTALLATION - VALVE PITS ARE TO BE SET ON A 200MM DEEP BED OF GRAVEL FOR DRAINAGE. PIT COVERS ARE TO BE LEVEL WITH THE SOIL SURFACE. INCLUDE PLUMBING CONNECTION TO THE MAIN LINE, ALL VALVES AND BACKFLOW PREVENTION. LOCATE A CENTRAL MULTI-STATION CONTROLLER IN A LOCKABLE BOX AS DIRECTED BY THE PROJECT

MANAGER. . A DEDICATED GPO IS TO BE PROVIDED BY THE BUILDER FOR THE CONTROLLER TO BE PLUGGED INTO. 6. MAINTAIN ALL WORKS DURING THE CONTRACT PERIOD FOR 52 WEEKS FROM THE DATE OF PRACTICAL COMPLETION INCLUDING, BUT NOT LIMITED TO WATERING, MOWING, WEEDING, RUBBISH REMOVAL, REPLACEMENT PLANTING, DISEASE AND PEST CONTROL, PRUNING, SOIL AND MULCH CONTROL REINSTATEMENT

7. PROTECT ALL ADJOINING PROPERTY BUILDINGS, WALLS, FENCES AND PAVING. DAMAGED ELEMENTS ARE TO BE REPLACED.

8. THERE ARE TO BE NO SHARP PROTRUSIONS OR ABRASIVE EDGES, OBTRUSIVE FITTINGS OR FIXTURES.

9. GENERALLY PAVEMENTS ARE TO FALL AT 1% TO 2% UNLESS NOTED OTHERWISE.

10. PROVIDE CONDUITS THROUGH WALLS / PAVEMENTS AS REQUIRED FOR SERVICES.

11. ALL STRUCTURAL DETAILS OF FOOTINGS, SLABS, WALLS AND THE LIKE ARE TO BE REFERRED TO AN ENGINEER TO PROVIDE DETAILS AND SPECIFICATION.

12. LEVELS SHOWN ARE FINISHED SURFACE LEVELS. GRADE AND TRIM LOCALLY TO ENSURE THE FINISHED SURFACE

13. SOIL LEVELS IN GARDEN AREAS TO FINISH 50MM BELOW ADJACENT WALLS/ PAVEMENTS UNLESS NOTED OTHERWISE. 14. MATERIAL SAMPLES AND PRODUCT INFORMATION- MATERIALS AND WORKMANSHIP ARE TO CONFORM TO THE CURRENT

EDITION OF APPLICABLE REQUIREMENTS OF AUSTRALIAN STANDARD SPECIFICATIONS AND CODES. 15. REFER TO ARBORIST REPORT REGARDING RETENTION AND REMOVAL OF TREES

16. GREEN WASTE REMOVAL - ALL GREEN WASTE GENERATED BY THE MAINTENANCE WORK SHALL BE CONTAINED WITHIN THE IMMEDIATE WORK AREA, AND SHALL NOT LEAK INTO ADJACENT AREAS, OR OUTSIDE THE SITE. ALL DEBRIS SHALL BE USING SUITABLE CLOSED WASTE CONTAINERS AND VEHICLES.

MAINTENANCE PLAN

THE OBJECTIVE OF THIS MAINTENANCE PLAN IS TO OUTLINE THE MAINTENANCE REQUIREMENTS OF THE DEVELOPMENT AND ENABLE A DEFINED SCOPE OF MAINTENANCE ACTIVITIES TO BE REGULARLY UNDERTAKEN. A DETAILED MAINTENANCE PLAN TO BE PREPARED AS PART OF THE CONSTRUCTION CERTIFICATE DOCUMENTATION.

MAINTENANCE INCLUDE WATERING, WEEDING, MOWING PEST AND DISEASE CONTROL, REPLACING FAILED PLANTS, SOIL AND MULCH REPLENISHMENT, CULTIVATING, PRUNING, REPAIRING EROSION AND RECTIFYING STORM DAMAGE. SWEEP AND/OR REMOVE FALLEN BRANCHES AND LEAF LITTER(INCLUDING THE AUTUMN LEAF DROP) AND OTHER GARDEN DEBRIS.

MAINTENANCE OF THE SITE IS TO ALSO INCLUDE THE PUBLIC DOMAIN IT IS EXPECTED THAT THE CONTRACTOR SHALL TAKE A PROACTIVE AND DILIGENT APPROACH TO ALL MAINTENANCE

ACTIVITIES AND ENCOURAGE ALL STAFF AND SUB-CONTRACTORS TO PICKUP ANY OBVIOUS LITTER FOUND THROUGHOUT THE MAINTAINED AREAS. SIMILARLY BE VIGILANT IN LOOKING FOR AND REPORTING ANY NOTED INCIDENCE OF VANDALISM, BREAKAGES, DAMAGE AND GRAFFITI ETC.

KEEP A LOGBOOK RECORDING WHEN AND WHAT MAINTENANCE WORK HAS BEEN DONE AND WHAT MATERIALS, INCLUDING TOXIC MATERIALS, HAVE BEEN USED. THIS LOG BOOK IS TO BE GIVEN TO THE PROJECT MANAGER/ OR COMMUNITY ASSOCIATION AND MADE AVAILABLE FOR INSPECTION ON REQUEST.

AT LEAST TWO WEEKS PRIOR TO PRACTICAL COMPLETION SUBMIT A PROGRAM OUTLINING PROPOSED MAINTENANCE REGIME DURING THE PLANT ESTABLISHMENT PERIOD, INCLUDING ANTICIPATED FREQUENCY AND DURATION OF INDIVIDUAL TASKS. REVISE PROGRESSIVELY TO ENSURE THE OPTIMAL MAINTENANCE REGIME IS IMPLEMENTED AND SUBMIT ON A MONTHLY BASIS.

ALL PLANTED AREAS SHALL BE ADEQUATELY WATERED TO KEEP THEM HEALTHY AND GROWING VIGOROUSLY. THE MINIMUM ACCEPTABLE WATERING REQUIREMENT SHALL EQUAL 25 MM OF NATURAL RAINFALL OR ITS APPLIED EQUIVALENT, OR A COMBINATION OF BOTH, DURING EACH PERIOD OF ONE WEEK, EXCEPT IN PERIODS OF HEAVY RAIN. VARY THE WATERING REQUIREMENT TO SUIT SEASONAL CONDITIONS AND MAINTAIN HEALTHY PLANT MATERIAL AND GRASS AREAS IN OPTIMUM CONDITION.

ALL LANDSCAPE AREAS INCLUDING TREES ARE TO BE VISUALLY INSPECTED FOR THE PRESENCE OF PERSISTENT AND DAMAGING INSECT PESTS OR DISEASES. THE CONTRACTOR SHALL REPORT ANY INCIDENCE OF INSECT ATTACK OR EVIDENCE OF DISEASE AMONGST PLANT MATERIAL ALONG WITH A RECOMMENDED CONTROL AND ACTION TO BE UNDERTAKEN

FERTILIZER SHALL BE SUPPLIED AND APPLIED EVENLY TO ALL LANDSCAPE AREAS ENSURE OPTIMUM PLANT GROWTH, HEALTH AND DISEASE RESISTANCE THROUGH THE PROVISION OF ALL ESSENTIAL MACRO AND MICRO NUTRIENTS COMMONLY REQUIRED BY PLANTS AND THEREBY PREVENT ANY SYMPTOMS ASSOCIATED WITH NUTRIENT DEFICIENCIES.

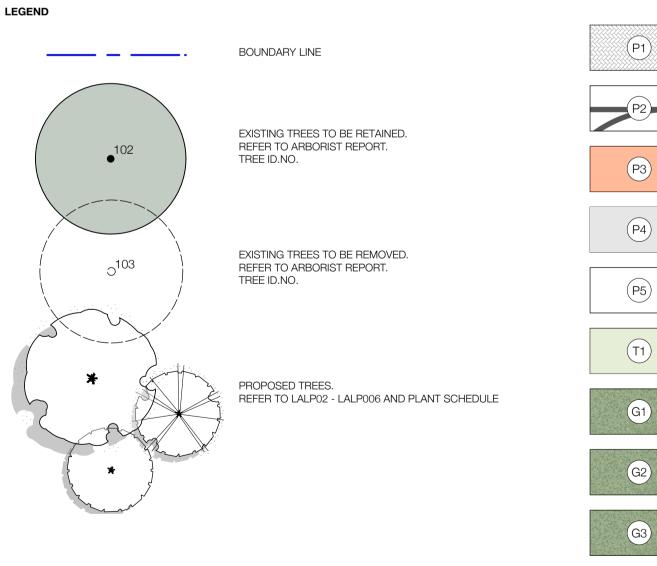
THE CONTRACTOR SHALL MONITOR ALL TREE AND ASSOCIATED LANDSCAPE WORKS FOR THE DURATION OF THE MAINTENANCE PERIOD. THIS WILL GENERALLY INCLUDING WATERING, FAILED PLANT REPLACEMENT, PEST AND DISEASE CONTROL, PRUNING, SOIL CONTROL, MOWING, WEED CONTROL, SOIL PH CORRECTION AND FERTILIZATION. CARRY OUT MAINTENANCE ACTIVITIES FOR ALL NEW GARDEN AREAS AS REQUIRED TO ENSURE THE PLANT BECOME ESTABLISHED WITHIN THE MAINTENANCE PERIOD AND ARE KEPT IN A HEALTHY AND TIDY STATE IN ACCORDANCE WITH BEST HORTICULTURAL PRACTICES.

SHALL BE UNDERTAKEN WITHIN 7 DAYS OF PLANT BEING IDENTIFIED AS FAILED OR UNACCEPTABLY DAMAGED. NOTE, SERVE WILTING OR WATER LOGGING LEADING TO DEATH OF FOLIAGE, BREAKAGE OR WOUNDING OF MAIN STEM, DAMAGE OF APICAL LEADERS OR DAMAGE TO SIGNIFICANT ORDER OF BRANCHES SHALL BE DEEMED TO CONSTITUTE FAILURE.

HARDSCAPE / FURNITURE AND FIXINGS

ENSURE ALL EXTERNAL HARDSCAPE AREAS INCLUDING FURNITURE AND FIXINGS ARE MAINTAINED IN A SAFE, CLEAN, NEAT AND TIDY CONDITION THAT PROMOTES THEIR USE AND ENJOYMENT. INSPECT ALL HARDSCAPE AND FURNITURE AND FIXTURES ITEMS FOR DAMAGE OR VANDALISM AND REPORT ANY FAULTS OR DAMAGE. MAKE ARRANGEMENT TO FIX ANY MINOR ISSUES.

REGULARLY INSPECT, MONITOR AND ADJUST IRRIGATION AND WATERING SYSTEM TO ENSURE PROPER OPERATION AND COVERAGE AND RECTIFY ANY LEAKS, BLOCKAGES OR BREAKAGES IN A TIMELY FASHION. IF REQUIRED, UNDERTAKE PRESSURE TESTING OR FLUSHING TO IDENTIFY AND/OR ADDRESS ANY SYSTEM MALFUNCTION. THE CONTRACTOR SHALL REPAIR THE SYSTEM DUE TO VANDALISM, UNAUTHORIZED USE AND BREAKAGE. IF VANDALISM OR BREAKAGE IS A PERSISTENT OR A LARGE-SCALE PROBLEM, THE CONTRACTOR SHALL KEEP A RECORD OF COMPONENTS REPLACED OR RECTIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTARY WATERING DUE TO ANY INADEQUACIES WITH THE SYSTEM, AND ADDRESS LEAKS IMMEDIATELY.



(P3)

(P4)

T1

P1 - PAVEMENT TYPE 1 - BRICK PAVEMENT OVER CONCRETE SLAB IN ACCORDANCE WITH ENGINEERS REQUIREMENTS

P2 - PAVEMENT TYPE 2 - BRICK FEATURE / INLAY / EDGE PAVEMENT OVER CONCRETE SLAB IN ACCORDANCE WITH ENGINEERS REQUIREMENTS

P3 - PAVEMENT TYPE 3 - DECOMPOSED GRANITE

P4 - PAVEMENT TYPE 4 - CONCRETE PAVEMENT (PEDESTRAIN TRAFFIC) IN ACCORDANCE WITH ENGINEERS REQUIREMENTS

P5- PAVEMENT TYPE 5 - CONCRETE PAVEMENT (VEHICULE TRAFFIC) IN ACCORDANCE WITH ENGINEERS REQUIREMENTS

TURF PROFILE 01 - T1 (SOFT LEAF BUFFALO) AND IRRIGATION EXTENT (POP UP SPRAY IRRIGATION)

G1 - PLANTING ON GRADE AND IRRIGATION EXTENT (DRIP IRRIGATION) (300MM IMPORTED PREMIUM GARDEN MIX OVER 150MM INORGANIC MATTER AND CULTIVATED BASE)

G2 - PLANTING ON GRADE WITHIN TPZ (100MM IMPORTED PREMIUM GARDEN MIX (DO NOT CULTIVATE IN TPZ AREA) AND IRRIGATION EXTENT (DRIP IRRIGATION)

GARDEN PROFILE 03 - 1050MM HIGH PLANTERS (ON STRUCTURE - 600MM SOIL DEPTH) AND IRRIGATION EXTENT (DRIP IRRIGATION) INCLUDE - MULCH / DRAINAGE CELL / FILER FABRIC / / SAND BLINDING LAYER

GARDEN PROFILE 04 - LANDSCAPE REGENERATION AREA (OSD AND BIO RETENTION BASINS) -INCLUDING BANK STABILISING PLANTING. ALL WEED SPECIES TO BE REMOVED. REGENERATE AREA WITH NATIVE GROUNDCOVERS AND TREES FROM -THE COOKS RIVER / CASTLEREAGH IRONBARK FOREST

LANDSCAPE WETLAND AREA - INCLUDING BANK STABILISING PLANTING. ALL WEED SPECIES TO BE REMOVED AND SOIL AMELIORATION / PREPARATION IN ACCORDANCE WITH GUIDELINES/ REQUIREMENT OUTLINED BY THE REPORT PREPARED BY CUMBERLAND ECOLOGY

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Landscape Architecture and Design

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PROJECT Warehouse Development 2131 Castlereagh Road PENRITH, NSW DRAWING TITLE

NOTES / PLANT SCHEDULE / LEGEND

Drawn IK / GB

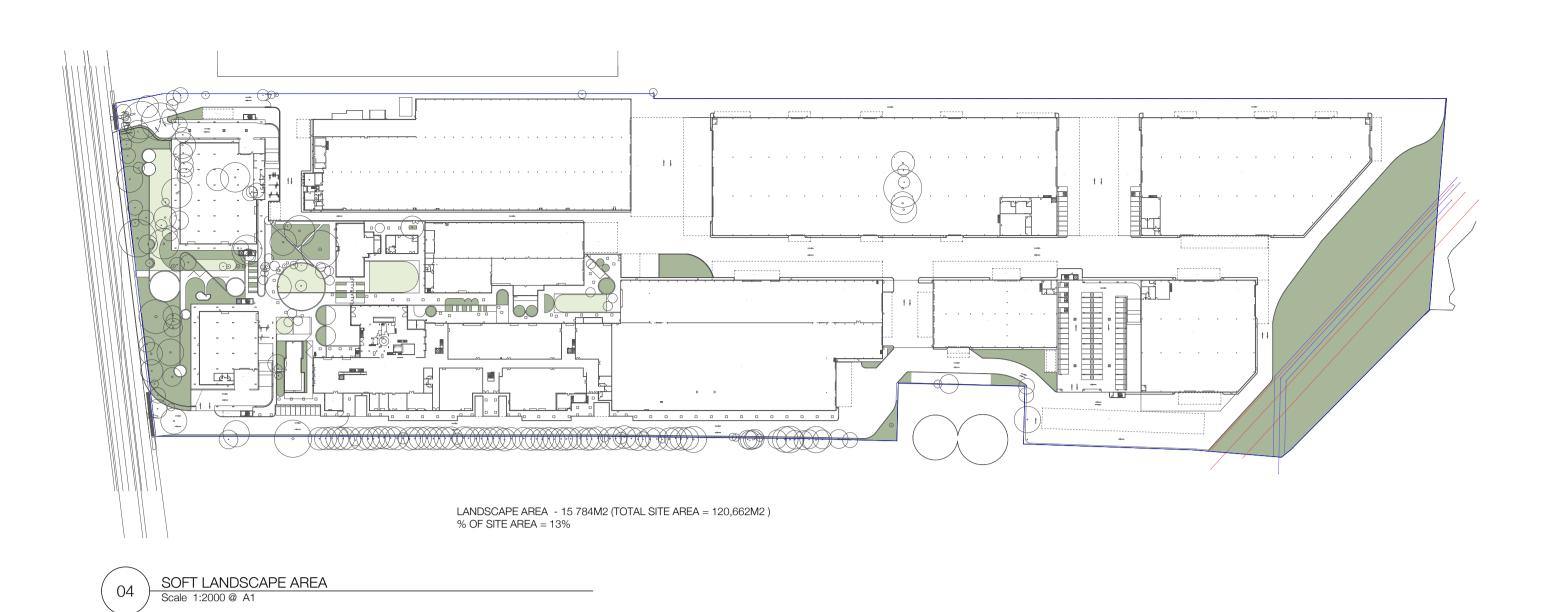
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REFER TO LALP09 FOR NOTES AND PLANT SCHEDULE



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DESIGN RATIONALE
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| PROJECT | Drawn | K / GB | Client | Client

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